

## EPA Official Record

**Notes ID:** 4EC1449EA13C63368825780D007A0990

**From:** Brandon Perkins/R10/USEPA/US

**To:** Rich Kapuscinski/DC/USEPA/US@EPA

**Delivered Date:** 01/03/2011 02:18 PM PST

**Subject:** Re: Sulfolane PPRTV

Rich

Thanks for checking into this for me. Any idea on when I may be completed? I do not know all the details of why the state of Alaska Dept of Environmental Conservation (DEC) is interested in the PPRTV. My guess is to complete some risk assessment on the site both EPA and DEC are working on. Region 10 needs the PPRTV so hopefully a health based drinking water benchmark can be developed for use in scoring the site under the HRS Rule. I have been working with Bob Myers on this.

Brandon Perkins  
Office of Environmental Cleanup  
U.S. Environmental Protection Agency, Region 10  
206-553-6396

▼ Rich Kapuscinski---01/03/2011 06:25:37 AM---The toxicological review for sulfolane is underway.

From: Rich Kapuscinski/DC/USEPA/US  
To: Brandon Perkins/R10/USEPA/US@EPA  
Date: 01/03/2011 06:25 AM  
Subject: Re: Sulfolane PPRTV

The toxicological review for sulfolane is underway.

▼ Rich Kapuscinski---12/28/2010 09:50:49 PM---Sulfolane is in the queue for FY2011. I will check on its status, but am curious what value you'd a

From: Rich Kapuscinski/DC/USEPA/US  
To: Brandon Perkins/R10/USEPA/US@EPA  
Date: 12/28/2010 09:50 PM  
Subject: Re: Sulfolane PPRTV

Sulfolane is in the queue for FY2011. I will check on its status, but am curious what value you'd ascribe to the answer.  
Rich Kapuscinski

-----Brandon Perkins/R10/USEPA/US wrote: -----

To: Rich Kapuscinski/DC/USEPA/US@EPA  
From: Brandon Perkins/R10/USEPA/US

Date: 12/28/2010 07:32PM  
Subject: Sulfolane PPRTV

Hi Rich

The technical project team working on a site with Sulfolane as the contaminate of concern, wanted me to check in about the status of the PPRTV. Do you know if one for sulfolane has been started yet?

Brandon Perkins  
Office of Environmental Cleanup  
U.S. Environmental Protection Agency, Region 10  
206-553-6396

yv+LAH8AAAAAASW5hY3RpdmUgaGlkZSBkZXRhaWxzIGZvciBSaWNolEthcHVzY2luc2tpLS0tMTIvMDgvMjAxMCAwNT01OT01MiBBTS0tLVNldmVyYWwgb2YgdGhlfFBQUIRWHZhbHVlcyBhbmQgc3VwcG9ydCBkb2N1bWVudHMgdGhhdCB3ZQ== Rich Kapuscinski---12/08/2010 05:59:52 AM---Several of the PPRTV values and support documents that were finalized within the last few months too

From: Rich Kapuscinski/DC/USEPA/US  
To: Brandon Perkins/R10/USEPA/US@EPA  
Cc: David Yogi/DC/USEPA/US@EPA, Marcia Bailey/R10/USEPA/US@EPA, Dave Crawford/DC/USEPA/US@EPA  
Date: 12/08/2010 05:59 AM  
Subject: Re: PPRTV explanation

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Several of the PPRTV values and support documents that were finalized within the last few months took substantially longer than one year to prepare. If you do discuss PPRTVs with the community, I would recommend that your message also not provide any assurance about timelines.

Rich Kapuscinski

yv+LAH8AAAAAASW5hY3RpdmUgaGlkZSBkZXRhaWxzIGZvciBEYXZlIENyYXdmb3JkLS0tMTIvMDgvMjAxMCAwNzo0MDozNiBBTS0tLUJyYW5kb24sIEkgdXNIZCB0byBiZSB0aGUgSFEGc3BvbnNvciBmb3JlUFBzVFZzLCBidXQgbm8gbG9uZW== Dave Crawford---12/08/2010 07:40:36 AM---Brandon, I used to be the HQ sponsor for PPRTVs, but no longer. Rich Kapuscinski is now, and I will

From:	Dave Crawford/DC/USEPA/US
To:	Brandon Perkins/R10/USEPA/US@EPA
Cc:	Rich Kapuscinski/DC/USEPA/US@EPA, Marcia Bailey/R10/USEPA/US@EPA, David Yogi/DC/USEPA/US@EPA
Date:	12/08/2010 07:40 AM
Subject:	Re: PPRTV explanation

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Brandon, I used to be the HQ sponsor for PPRTVs, but no longer. Rich Kapuscinski is now, and I will copy him.

I am not sure it would be advisable yet for R10 to get too far out on this yet, because of the following, and I would recommend you discuss this matter with a R10 toxicologist who is familiar with PPRTVs, such as Marcia Bailey, whom I will also copy.

1. Nowadays, it takes about 12 months, more or less, after a PPRTV assessment is initiated before we (and you) get the PPRTV assessment. We could check, but I am not sure that STSC (the Center which does PPRTVs) has actually begun this assessment, although it did make the cut.

2. PPRTV assessments often are done for contaminants which do not occur all that often, like Sulfolane (as noted in what you included in your email), and sometimes a PPRTV assessment reviews the literature, but actually derives no toxicity value.

If you do discuss this with the community, you may need to include the possibility that PPRTV assessments do not always derive toxicity values.

What you pasted in below is actually a fairly good synopsis describing PPRTV assessments. and I believe was extracted from the boilerplate in PPRTV assessments. You can find some additional discussions in the attached PPRTV website homepage: <http://hhpprtv.ornl.gov/>

Note that this website is only accessible to EPA computers (Your contractors and States will not be able to open it up.) Note also, the 3rd paragraph under the disclaimer contains some text which is not true. We included this text when we were trying to open up the website to allow access by all computers (not just EPA), but we were not allowed to do that, and we did not yet delete this text.

Dave Crawford  
U.S. Environmental Protection Agency  
Office of Superfund Remediation and Technology Innovation  
telephone: 703-603-8891  
email: Crawford.Dave@epa.gov

yv+LAH8AAAAAASW5hY3RpdmUgaGlkZSBkZXRhaWxzIGZvciBCcmFuZG9uIFBlcmtpbnMtLS0xMi8wNy8yMDEwIDA3OjUxOjI5IFBNLS0tSGkgRGF2ZSwgSSBkcmFmdGluZyBhIGxldHRlciB0byBhIGNvbW11bml0eSBvcmdhbml6YXRpb24gdQ== Brandon Perkins---12/07/2010 07:51:29 PM---Hi Dave, I drafting a letter to a community organization updating them on our current progress at th

From:	Brandon Perkins/R10/USEPA/US
To:	Dave Crawford/DC/USEPA/US@EPA
Date:	12/07/2010 07:51 PM
Subject:	PPRTV explanation

Hi Dave,

I drafting a letter to a community organization updating them on our current progress at the Flint Hills Refinery site. This is the site with sulfolane as the contaminate of concern. I wanted to write a brief explanation about PPRTV. I couldn't find anything on the EPA website, but I was able to google a few documents and pulled something together. Can you tell me if I'm summarizing this correctly?

EPA's Office of Research and Development/National Center for Environmental Assessment/Superfund Health Risk Technical Support Center develops PPRTVs on a chemical-specific basis when requested by the EPA's Superfund program for use in site specific risk assessments. Their development typically includes a limited evaluation of information on mode of action, other toxicological end points, and other information that provides a better understanding of the toxicology of these chemicals. Often, the amount of relevant information on the toxicity of these chemicals is less because fewer studies have been conducted and reported. However, the PPRTVs are generally the best quantification of the dose-response scientific data that is available at the time they are developed because the PPRTVs utilize current information and methodologies.

Thanks

Brandon Perkins  
Office of Environmental Cleanup  
U.S. Environmental Protection Agency, Region 10  
206-553-6396

